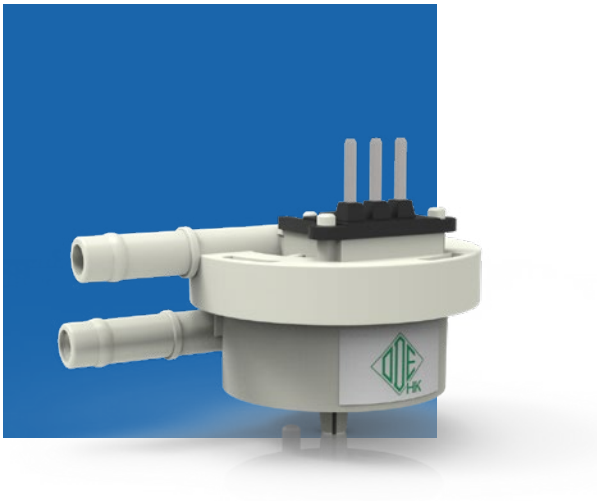


AB32 SERIES

Flowmeter

AB32 series flowmeters are reliable products for the measurement of the flowrate in the circuit. They can work with low pressure fluid at ambient temperature. Different models are available for different flowrate ranges. The different connections orientations allow to install the flowmeter in different circuits.

HIGHLIGHTS

Very Compact design

Customizable

CODE	NOZZLE [mm]	PULSES/ LITRE	G/ PULSE	MIN.FLOW RATE AT LINEAR START (LITRES/MIN)	MAX. FLOW RATE (LITRES/MIN)	PRESSURE DROP [bar]
AB32S21PO12C11R	Ø 1,2	1925	0,5194	0,0750	0,5692	0,42

TECHNICAL FEATURES

ELECTRICAL CONNECTION

SUPPLY VOLTAGE	3.8 ÷ 20 V DC
CONSUMPTION	5 mA max
SIGNAL VOLTAGE	Taken from Ground
LEAKAGE CURRENT	10 µA max
SIGNAL LOAD	20 mA max
SIGNAL	Square wave
DUTY CYCLE	50%

OPERATING CONDITIONS

FLOW RATE	0.033-1,5 liters/min (depending on nozzle size)
MEASURING ACCURACY	± 6% (reference value valid for ideal testing conditions)
OPERATING FLUID	water
OPERATING TEMPERATURE	-10°C ÷ +65°C
OPERATING PRESSURE	-1 ÷ 0.3 bar
MOUNTING	Horizontal position
CONNECTOR	Ø 6 mm inlet / outlet
NOZZLE SIZE	Ø 1; 1.2; 1.8; 2; 3 mm

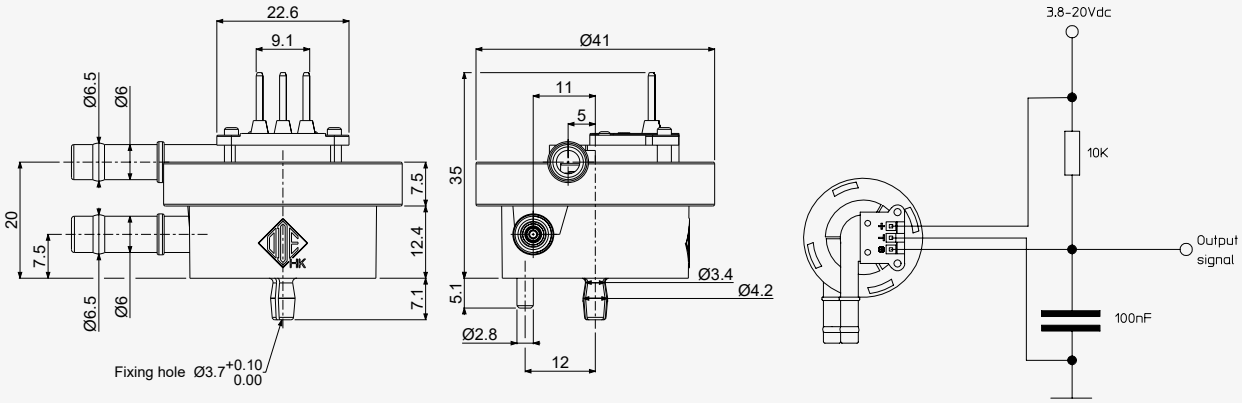
MATERIAL

FLOW METER BODY	PBT 30% GF
CONNECTOR	3.96mm with 3 Pin
SEAL	Silicone
TURNER	PP
MAGNET	SrFeO

TECHNICAL FEATURES

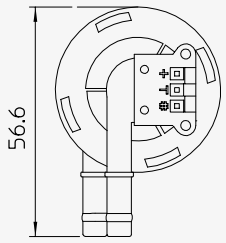
NOZZLE [mm]	PULSES/ LITRE	G/ PULSE	MIN.FLOW RATE AT LINEAR START (LITRES/MIN)	MAX. FLOW RATE (LITRES/MIN)	PRESSURE DROP [bar]
Ø 1	2382	0,4197	0,0333	0,4023	0,48
Ø 1,2	1925	0,5194	0,0750	0,5692	0,42
Ø 1,8	1315	0,7601	0,0753	0,8994	0,25
Ø 2	1250	0,8001	0,1121	0,9068	0,21
Ø 3	800	1,2500	0,1855	1,520	0,15

TECHNICAL DRAWINGS

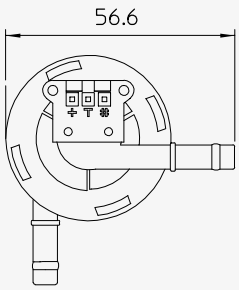


CONNECTIONS ORIENTATION

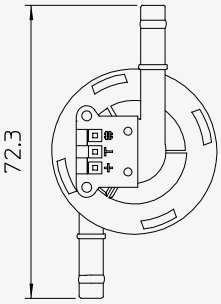
... -11R=0°



... -12R=90°



... -13R=180°



... -14R=270°

